AMENDMENTS TO THE CLAIMS

Please amend the claims as follows. Any other difference between the claims below and the previous state of the claims is unintentional and in the nature of a typographical error.

1. (Currently Amended) For use in a wireless network, a method of providing quality-of-service (QoS) functions to a mobile station accessing the wireless network, the method comprising the steps of:

receiving from the mobile station an initiation signal for a packet data call ~~initiation signal~~;

sending an authorization request corresponding to the mobile station;

receiving an authorization message and quality-of-service profile corresponding to the mobile station according to a level of service authorized for the mobile station;

receiving ~~application~~ information corresponding to a first application of the mobile station;

[[and]]

determining quality-of-service parameters according to the quality-of-service profile and the first application information, ~~wherein the mobile station thereafter communicates according to~~ the quality-of-service parameters used to process communication to the mobile station during the packet data call, wherein the quality-of-service parameters are changeable during the packet data call upon receipt of information corresponding to a second application of the mobile station.

2. (Original) The method of claim 1, wherein the packet data call initiation signal is received in a base station controller.

3. (Original) The method of claim 1, wherein the quality-of-service profile is stored on an authorization server.

4. (Original) The method of claim 1, wherein the quality-of-service parameters are sent to a packet data serving node.

5. (Currently Amended) The method of claim 1, wherein the first application information includes an application data class.

6. (Original) The method of claim 1, wherein the quality-of-service profile includes delay, maximum data rate, and data loss rate information.

7. (Original) The method of claim 1, wherein quality-of-service parameters are determined by a quality-of-service control component.

8. (Currently Amended) A call management system comprising:

a QoS controller capable of receiving from a mobile station an initiation signal for a packet data call ~~initiation signal~~ and sending an authorization request corresponding to the mobile station to an authorization server,

wherein the QoS controller receives from the authorization server an authorization message and quality-of-service profile corresponding to the mobile station, and

wherein said QoS controller is further capable of:

receiving ~~application~~ information corresponding to a first application of the mobile station,

determining quality-of-service parameters according to the quality-of-service profile and the first application information, and

transmitting a control message to the mobile station capable of causing the mobile station to communicate ~~thereafter~~ during the packet data call according to the quality-of-service parameters, wherein the quality-of-service parameters are changeable during the packet data call upon receipt of information corresponding to a second application of the mobile station.

9. (Original) The call management system of claim 8, wherein the QoS controller is a part of a base station controller.

10. (Original) The call management system of claim 8, wherein the quality-of-service profile is stored on an authorization server.

11. (Original) The call management system of claim 8, wherein the quality-of-service parameters are sent to a packet data serving node.

12. (Currently Amended) The call management system of claim 8, wherein the first application information includes an application data class.

13. (Original) The call management system of claim 8, wherein the quality-of-service profile includes delay, maximum data rate, and data loss rate information.

14. (Original) The call management system of claim 8, wherein the QoS controller determines the quality-of-service profile using a quality-of-service control component.

15. (Currently Amended) A wireless network comprising:

a plurality of base stations capable of communicating with a plurality of mobile station, wherein at least one of the plurality of base stations comprises:

a QoS controller capable of receiving from a mobile station an initiation signal for a packet data call ~~initiation signal~~ and sending an authorization request corresponding to the mobile station to an authorization server,

wherein the QoS controller receives from the authorization server an authorization message and quality-of-service profile corresponding to the mobile station, and

wherein said QoS controller is further capable of:

receiving ~~application~~ information corresponding to a first application of the mobile station,

determining quality-of-service parameters according to the quality-of-service profile and the first application information, and

transmitting a control message to the mobile station capable of causing the mobile station to communicate ~~thereafter~~ during the packet data call according to the quality-of-service parameters, wherein the quality-of-service parameters are changeable during the packet data call upon receipt of information corresponding to a second application of the mobile station.

16. (Original) The wireless network of claim 15, wherein the QoS controller is a part of a base station controller.

17. (Original) The wireless network of claim 15, wherein the quality-of-service profile is stored on an authorization server.

18. (Original) The wireless network of claim 15, wherein the quality-of-service parameters are sent to a packet data serving node.

19. (Currently Amended) The wireless network of claim 15, wherein the first application information includes an application data class.

20. (Original) The wireless network of claim 15, wherein the quality-of-service profile includes delay, maximum data rate, and data loss rate information.

21. (Original) The wireless network of claim 8, wherein QoS controller determines the quality-of-service profile using a quality-of-service control component.